

<110> MCGILL UNIVERSITY
KARAPLIS, Andrew C.
GOLTZMAN, David
LIPMAN, Mark L.
HENDERSON, Janet E.

<120> USE OF PEX IN THE TREATMENT OF METABOLIC
BONE DISEASES

<130> 1770-214PCT FC/

<140> PCT/CA99/00895

<141> 1999-09-27

<150> CA 2,245,903

<151> 1998-09-28

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Gln Ala Lys Gln Glu Tyr Cys Leu Lys Pro Glu Cys Ile Glu Ala Ala
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Glu Asp Met Pro Ser Tyr Gly Val Tyr Pro Trp Leu Arg His Asn Val	
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 Ser Thr Asn Gln Ile Arg Phe Pro Ala Gly Glu Leu Gln Lys Pro Phe
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 Tyr Ala His Val Arg Cys Asn Ser Tyr Arg Pro Glu Ala Ala Arg Glu
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 Ala Lys Gln Glu Tyr Cys Leu Lys Pro Glu Cys Ile Glu Ala Ala Ala
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 Asp Met Pro Ser Tyr Gly Val Tyr Pro Trp Leu Arg His Asn Val Asp
 100 105 110
 Leu Lys Leu Lys Glu Leu Leu Glu Lys Ser Ile Ser Arg Arg Arg Asp
 115 120 125
 Thr Glu Ala Ile Gln Lys Ala Lys Ile Leu Tyr Ser Ser Cys Met Asn
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 Glu Lys Ala Ile Glu Lys Ala Asp Gly Lys Pro Leu Leu His Ile Leu
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 Glu Gly Val Trp Ser Glu Arg Lys Phe Ser Leu Leu Gln Thr Leu Ala
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 Thr Phe Arg Gly Gln Tyr Ser Asn Ser Val Phe Ile Arg Leu Tyr Val
 195 200 205
 Ser Pro Asp Asp Lys Ala Ser Asn Glu His Ile Leu Lys Leu Asp Gln
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 Ala Thr Leu Ser Leu Ala Val Arg Glu Asp Tyr Leu Asp Asn Ser Thr
 225 230 235 240
 Glu Ala Lys Ser Tyr Arg Asp Ala Leu Tyr Lys Phe Met Val Asp Thr
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 Ser Val Leu Arg Leu Glu Ile Lys Ile Ala Glu Ile Met Ile Pro His

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Pro	Gln	Arg	Asp	Lys	Cys	Val	Asn	Phe	Ile	Glu	Ser	Ala	Leu	Pro	Tyr
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Ala	Lys	Glu	Lys	Ala	Arg	Ala	Val	Leu	Ala	Lys	Val	Gly	Tyr	Pro	Glu
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Phe	Ile	Met	Asn	Asp	Thr	His	Val	Asn	Glu	Asp	Leu	Lys	Ala	Ile	Lys
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Tyr	Asp	Lys	Asn	Gly	Asn	Leu	Asp	Pro	Trp	Trp	Ser	Thr	Glu	Ser	Glu
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Gly	Glu	Asn	Ile	Ala	Asp	Asn	Gly	Gly	Leu	Arg	Glu	Ala	Phe	Arg	Ala
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Ala	His	Val	Arg	Cys	Asn	Ser	Tyr	Arg	Pro	Glu	Ala	Ala	Arg	Glu	Gln
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Leu	Gly	Thr	Ile	Leu	Phe	Leu	Val	Ser	Gln	Gly	Leu	Leu	Ser	Leu	Gln
			35				40					45			
Ala	Lys	Gln	Glu	Tyr	Cys	Leu	Lys	Pro	Glu	Cys	Ile	Glu	Ala	Ala	Ala
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Asp	Met	Pro	Ser	Tyr	Gly	Val	Tyr	Pro	Trp	Leu	Arg	His	Asn	Val	Asp
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Leu	Lys	Leu	Lys	Glu	Leu	Leu	Glu	Lys	Ser	Ile	Ser	Arg	Arg	Arg	Asp
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Thr	Glu	Ala	Ile	Gln	Lys	Ala	Lys	Ile	Leu	Tyr	Ser	Ser	Cys	Met	Asn
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Thr	Phe	Arg	Gly	Gln	Tyr	Ser	Asn	Ser	Val	Phe	Ile	Arg	Leu	Tyr	Val
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 Ala Lys Glu Lys Ala Arg Ala Val Leu Ala Lys Val Gly Tyr Pro Glu
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 485 490 495
 Phe Ser Glu Ala Asp Tyr Phe Gly Asn Val Leu Gln Thr Arg Lys Tyr
 500 505 510
 Leu Ala Gln Ser Asp Phe Phe Trp Leu Arg Lys Ala Val Pro Lys Thr
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 Thr Asn Gln Ile Arg Phe Pro Ala Gly Glu Leu Gln Lys Pro Phe Phe
 545 550 555 560
 Trp Gly Thr Glu Tyr Pro Arg Ser Leu Ser Tyr Gly Ala Ile Gly Val
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 675 680 685
 Ala His Val Arg Cys Asn Ser Tyr Arg Pro Glu Ala Ala Arg Glu Gln
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 Met Val Ile Gly His Glu Ile Thr His Gly Phe Asp Asp Asn Gly Arg
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 Thr Leu Gly Glu Asn Ile Ala Asp Asn Gly Gly Leu Gly Gln Ala Tyr
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 Arg Ala Tyr Gln Asn Tyr Ile Lys Lys Asn Gly Glu Glu Lys Leu Leu
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 690 695 700
 Lys Thr Asp Val His Ser Pro Gly Asn Phe Arg Ile Ile Gly Thr Leu
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